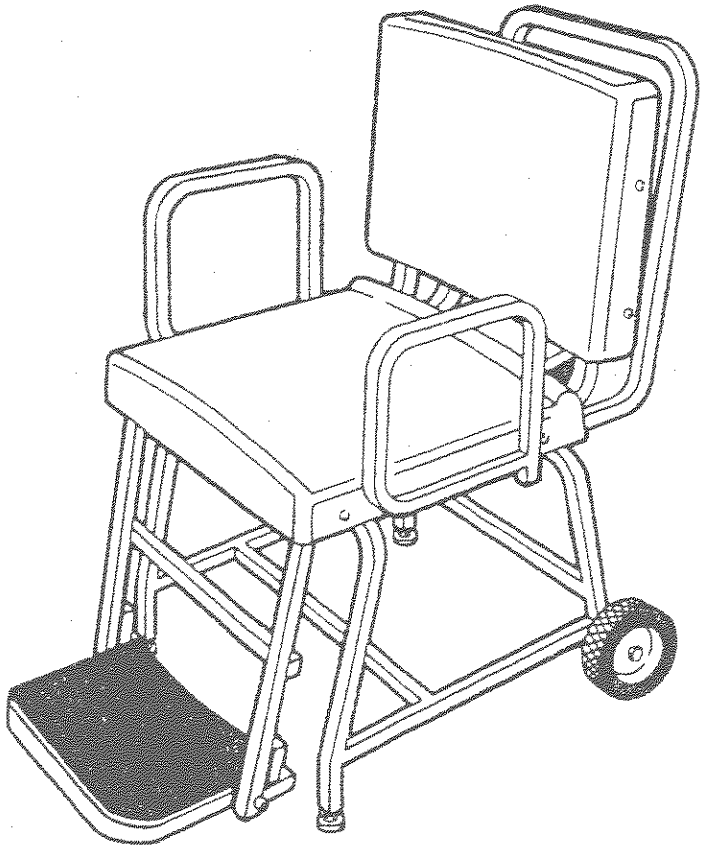
Healthometer® *Pro Series*

ELECTRONIC CHAIR SCALE

MODEL: 595KL



INSTRUCTION & SERVICE MANUAL

ASSEMBLY INSTRUCTIONS

This 595KL scale comes completely assembled and ready to use. However, four (4) screws have been installed from the underside of the scale to lock the twin load beams and prevent damage to the beams during shipment. These locking screws must be removed before using the scale.

TO REMOVE:

1. Put both arm rests on the chair scale in the up position. Fold the footrest up.
2. Slowly tilt the chair scale completely forward until the scale is upside down and resting on the upper edge of the back and forward edge of the seat.
3. Notice that in each corner of the channel base is a slotted hex head screw, which is screwed from the underside into the flange supporting the load beams. (Fig 1)
4. Using a 3/8" wrench, remove all four (4)-locking screws. DO NOT DISCARD THESE SCREWS SINCE THEY CAN BE REINSTALLED IF THE SCALE NEEDS TO BE RESHIPPED.
5. Return the scale to its upright position.

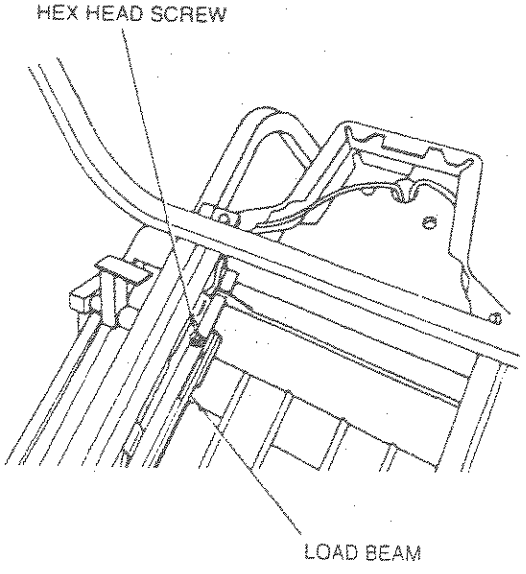


FIG. 1

SET UP

1. Connect the scale to power outlet or battery. Charge scale 24 hours before use.

2. The scale will check for the level of battery every 3 minutes. If the battery has less than 6 volts but greater than 5.5 volts, the scale will display the warning message "LOW BAT".

3. Note: do not operate or calibrate the scale if the battery voltage is less than 5.5 volts. With less than 5.5 volts, the scale cannot display the "LOW BAT" warning and will not function properly. To check the scale voltage, press the BATTERY button.

BATTERY CHARGING

The rechargeable battery used in this scale is similar to the no-maintenance lead-acid batteries used in automobiles. No maintenance means that since the battery is sealed, no checking of water level or adding of water to the battery is necessary. However, recharging at proper intervals and proper storage procedures are necessary, as in the automobile battery.

A fully charged battery will provide a month of normal weighing before requiring recharging. When flashing " LOW BAT" appears in the upper center portion of the display during a weighing, the battery needs to be recharged.

TO CHARGE THE BATTERY

1. Insert the plug of the battery charger cord into the jack on the battery housing located at the rear of the scale.

2. Plug the battery charger into a 120 VAC outlet.

3. The battery will fully charge in 24 hours. The scale may be used while the battery is charging, but it may not be calibrated unless the battery is fully charged.

Note: The battery cannot be overcharged with the specially designed charger furnished with this scale. Do not use any other charger or adapter otherwise serious damaged to the scale or battery can result.

Optimum battery life will be obtained if the scale is operated and stored connected to 120 VAC.

If the scale is not connected to 120 VAC and is to be stored for an extended period of time, it should be stored with a fully charged battery, preferably in a cool place. The battery should be recharged as soon as possible or its useful life will decrease significantly. A discharged battery left in the scale can leak and cause permanent damage to the battery and scale.

SCALE SPECIFIATIONS

Capacity: 400 lb. x ¼ lb.
181.4 kgs. X .1 kg.

OPERATION INSTRUCTIONS

General
For safer scale transport and easier patient seating, the scale has a foot rest which folds up out of the way. Once the patient is seated, the footrest can be folded back down for patient comfort and safety.

Scale Use
Buttons
START Allows weighing to take place by starting scale
TARE Converts display to zero
LB Converts display to pounds
KG Converts display to kilogram
BATT Converts display to battery voltage

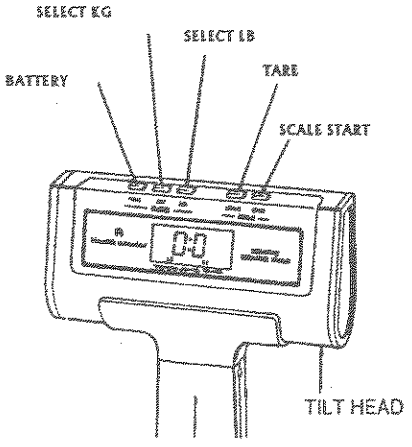


FIG. 5

TO WEIGH

1. Push the START button to turn the scale on.
2. The LCD will display ----, and then 0 LB and emit 1 beep, indicting the scale has set its zero (tare) point, and is ready for weighing.
3. To change the weighing mode, press the LB or KG button.
4. Place the child or adult in the chair. The scale will display ----, after the weight has stabilized, the scale will give three beeps and the LCD display will show the weight reading.
5. The weight will remain on the display for 2 min. or until the TARE button is pressed. If the scale has no activity within 5 minutes, it will enter into a dormant state. In the dormant state, display will be blank.

TROUBLE SHOOTING

Scale does not work correctly:

1. Be sure shipping screws have been removed.
2. Check battery voltage when the charger is not plugged into the battery. The battery must have a charge of 5.5 to function correctly.
3. Check the fuse has not blown. The fuse is located in the battery pack, incased in the fuse housing.
4. Check the scale is on a level, hard surface.
5. ERRH message: Scale senses a zero point higher than expected. Check that additional weight is not on the platform and press TARE.
6. ERRL message: Scale senses a zero point lower than expected. Check that the seat assembly, or tray are installed and press TARE.

OL message: Scale has exceeded the capacity.

CALIBRATION PROCEDURE

NOTE: Only calibrate the scale with certified 300 lbs. weights or by a qualified lab or technical center. Charge scale for 24 hours before starting the calibration steps.

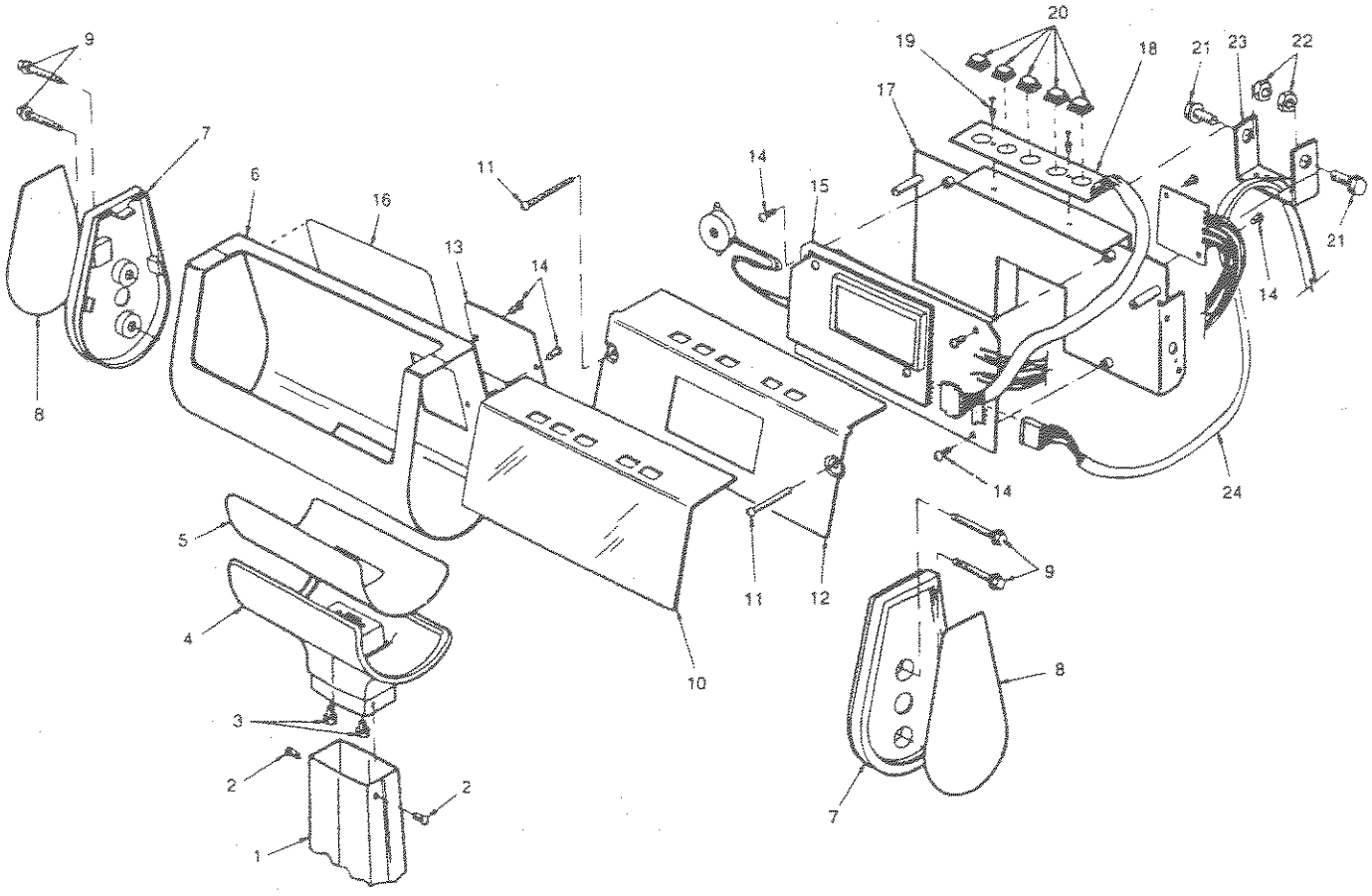
1. Remove the plastic back rest for easy access to the back of the scale head.
2. Remove the access cover on the back of the scale head labeled "Remove to calibrate".
3. Set the jumper (there is only one jumper, located in the back of the head) by lifting the cap off the left and middle pin and replacing it connecting the right and middle pin.
4. Push the START button the screen will show "0 LB". Make sure there is no weight on the platform
5. Push the TARE button, the screen will show "ULOAD" briefly followed by "OLOAD".
6. Place a certified dead weight of 300 lbs. on the scale platform.
7. After the weight is placed on the platform and stabilized, press TARE button again and the screen will display a raw count briefly, followed by "LD-1".

8. After the short beep, press the TARE button again, and "CAPA" will show on the screen.

9. Another short beep will sound (or wait 10 seconds); press the TARE button again and the screen will display the amount the scale is currently weighing.

10. Place the jumper back in the left position to accept the calibration and finish the procedure. Replace the access cover removed in Step #2.

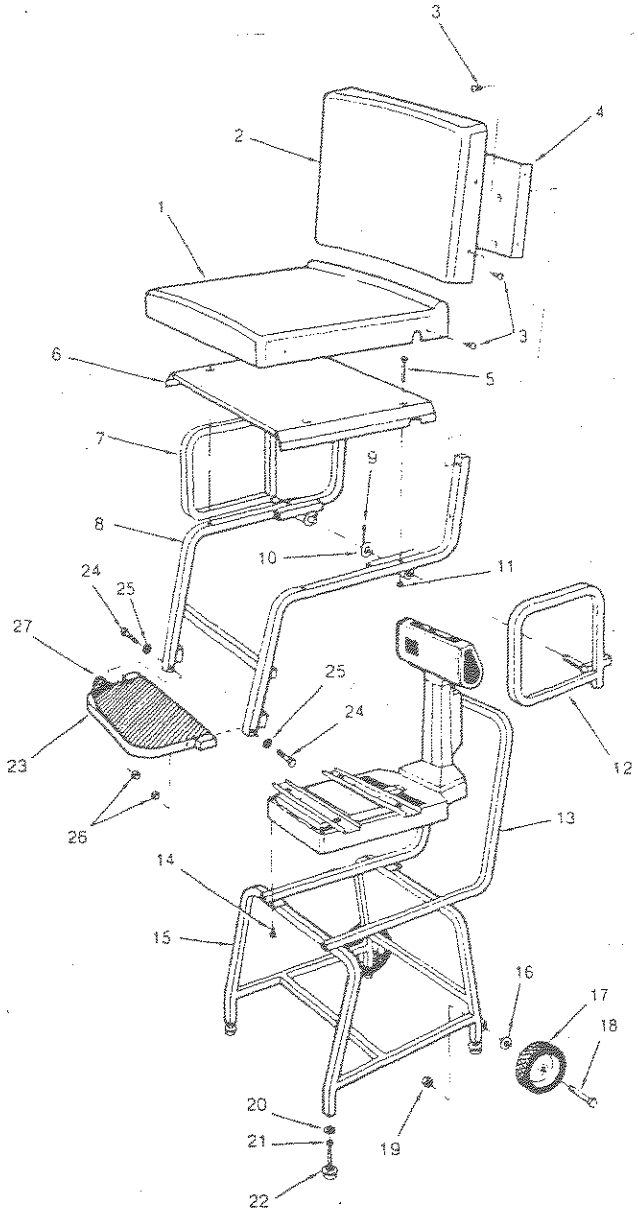
EXPLODED VIEW OF HEAD



PARTS LIST

Key No.	Part No.	Description	Key No.	Part No.	Description
1	63798	Pillar Assembly	13	63735	Cover, Head Shell
2	23055	7-19 x 3/8 Plated Screw	14	23048	6-32 x 1/4 Round Head Screw
3	23175	10-16 x 1/4 Hex Head Screw	15	63703	SG-07 Electronic Board
4	63727	Yoke	16	63716	Instruction Label
5	63372	Yoke Insert	17	63728	Swivel Plate Assembly
6	63725	Head Shell	18	63718	Dome Switch Board
7	63332	End Cap	19	23271	Snap Rivet
8	63704	End Cap Insert	20	63715	Dome Switch Button
9	23165	10-24 x 7/8 Locking Screw	21	23227	1/4-20 x 1/2 Slotted Hex Head Screw
10	64706	Nameplate	22	23226	Locknut
11	23038	6-32 x 3/4 Round Head Screw	23	63726	Swivel Bracket
12	63702	Support, Nameplate	24	64718	Pillar Cable Assembly

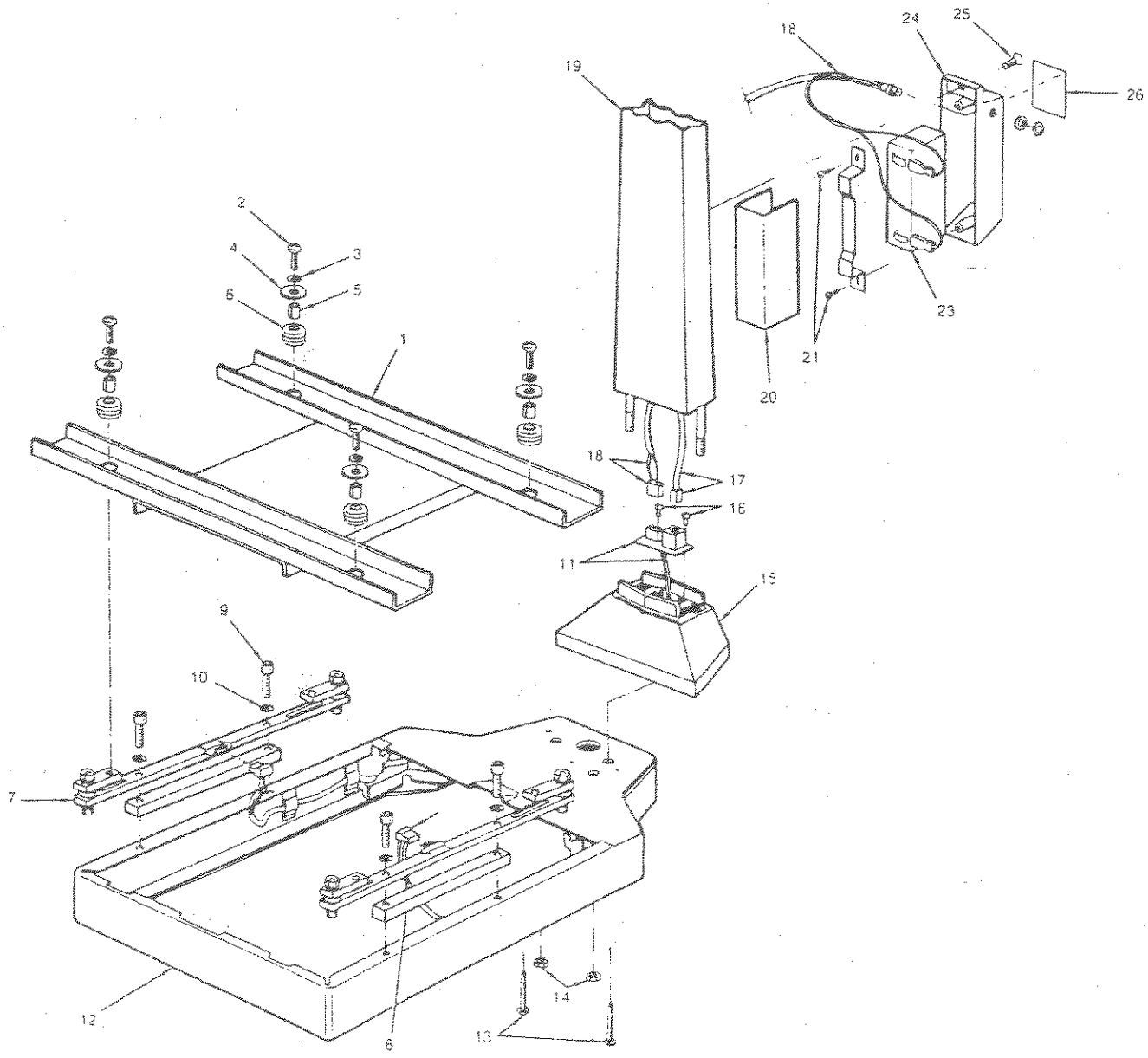
EXPLODED VIEW OF SCALE



PARTS LIST

Key No.	Part No.	Description
1	62359	Plastic Seat
2	63791	Plastic Back
3	23216	1/4 -20 x 1/2 Rec. Pan Head
4	63792	Back Plate
5	23222	1/4 -20 x 1 5/8 Hex Hd Cap Screw
6	62357	Seat Plate
7	62352	Arm, Right
8	62354	Chair Frame
9	23309	Cotter Pin 1/8 x 1
10	23259	21/32 x 1 5/8 x 3/32 Washer
11	23217	1/4 -20 Keps Nut
12	62351	Arm, Left
13	62376	Handle
14	23227	1/4 -20 x 1/2 Hex Washer Hd Screw
15	62355	Lower Frame
16	62369	17/32 x 1 1/16 x 3/32 Washer
17	62366	Wheel
18	62367	1/2 -13 x 3 Bolt
19	23240	1/2 -13 Locknut
20	23261	5/16 x 47/64 x 1/16 Washer
21	62371	5/16 -18 Jam Nut
22	62370	Levelers
23	64752	Footrest
24	23107	3/8 x 24 x 2 Bolt
25	23247	3/8 Belleville Washer
26	23232	3/8 Nut (Torque Prevailing)
27	64753	Mat

EXPLODED VIEW OF BASE



PARTS LIST

Key No.	Part No.	Description	Key No.	Part No.	Description
1	64750	Channel Brace Assembly	14	62371	3/16 -18 Jam Nut
2	23059	8-32 x 1/2 Pan Head Screw	15	63333	Pillar Foot
3	23262	#8 Internal Tooth Lock Washer	16	23048	6-32 x 1/4 Round Head Screw
4	23253	Flat Washer	17	64718	Pillar Cable Assembly
5	64756	Spacer	18	63724	Battery Cable Assembly
6	64755	Grommet	19	63798	Pillar
7	64741	Loan Beam	20	30089	Battery Insert
8	64743	Loan Beam Spacer	21	23055	7-19 x 3/8 Screw
9	23220	1/4 -20 x 7/8 Socket Head Cap Screw	22	63350	Battery Retainer
10	23257	1/4 External Tooth Lock Washer	23	63310	Battery
11	64751	Terminal Board Assembly	24	63712	Battery Housing
12	64746	Base Assembly (Frame Only)	25	23161	10-24 x 3/4 Flat Head Screw
13	23128	10-24 x 7/16 Round Head Screw	26	63705	Battery Housing Nameplate

PELSTAR

Limited Five Year Warranty

Pelstar LLC warrants that for a period of five years from the date of purchase, this product will be free from defects in material and workmanship. Pelstar, at its option, will repair or replace this product or any component of the product found to be defective during the warranty period. Replacement will be made with a new or remanufactured product or component. If the product is no longer available, replacement may be made with a similar product of equal or greater value. This is your exclusive warranty.

This warranty is valid for the original purchaser from the date of initial purchase and is not transferable. Pelstar dealers or retail store outlets selling Pelstar products do not have the right to alter, modify or in any way change the terms and conditions of this warranty.

The warranty does not cover normal wear of parts or damage resulting from negligent misuse of the product. Further, the warranty does not cover Acts of God, such as fire, flood, and tornadoes. Pelstar shall not be liable for any incidental or consequential damages caused by the breach of an express or implied warranty or condition. Except to the extent prohibited by applicable law, any implied warranty of merchantability or fitness for a particular purpose is limited in duration to the duration of the above warranty. Pelstar disclaims all other warranties or conditions, express or implied statutory or otherwise. Some provinces or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitation on how long an implied warranty lasts, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights and you may also have other rights that vary from state to state or province to province.

How to Obtain Warranty Service

Call (800) 638-3722 to obtain a Return Authorization for warranty service. Then send the product with proof of purchase included. Ship with freight and insurance prepaid to:
Pelstar LLC
Attn: RA# _____
7400W. 100th Place
Bridgeview, IL 60455

Make certain that your scale is properly packed to avoid damage in transit to the factory. If your scale is not covered by warranty, or has been damaged, an estimate of repair cost will be provided to you for approval prior to serving or replacing.

Healthometer®

A Product of Pelstar LLC
7400 w. 100th Place
Bridgeview, IL 60455

Health o meter is a register trademark of Pelstar LLC.

Customer Service: (800) 815-6615
Technical Service / Returns: (800) 638-3722
Tech Service / Customer Service FAX: (800) 654-7330